



CP B  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

are Application of

akashi KOBAYASHI et al.

Serial No.: 10/020,573

Group Art Unit:2826

Filed: October 31, 2001

Examiner: Greene, P.

For: VERTICAL INSULATED GATE SEMICONDUCTOR DEVICE

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450 on:

Date:

By:

Marc A. Rossi

**REQUEST FOR ACKNOWLEDGMENT**  
**OF INFORMATION DISCLOSURE STATEMENTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants hereby request that the Patent Office acknowledge the receipt of the Information Disclosure Statements filed on March 21, 2003 and May 7, 2003 for the above-referenced application. For the convenience of the Patent Office, copies of the Information Disclosure Statements, the PTO Forms-1449 and the stamped Receipt Cards are enclosed. It is respectfully requested that initialed copies of the PTO-1449's be returned to the undersigned.

Respectfully submitted,

ROSSI & ASSOCIATES

Marc A. Rossi  
Registration No. 31,923

Date

Attorney Docket No. FUJI:200



USPTC RECEIPT CARD In re application of:

KOBAYASHI et al.

Serial No.: 10/020,573 Group Art Unit: 2226

Filed: October 31, 2001 Examiner: Greene, P.

For: SEMICONDUCTOR DEVICE

Papers Filed: Information Disclosure Statement

Attorney Docket: FUJI:200





PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Takashi KOBAYASHI, *et al.*

Group Art Unit: 2826

Serial No.: 10/020,573

Examiner: Greene, P.

Filed: October 31, 2001

Attorney Docket No.: FUJI:200

For: SEMICONDUCTOR DEVICE

Assistant Commissioner for Patents  
Washington, D.C. 20231

Certificate of Filing By Mailing  
I hereby certify that this paper is being deposited with the  
United States Postal Service as first class mail in an  
envelope addressed to: Assistant Commissioner of Patents,  
Washington, D.C. 20231 on:

Date:

03/21/03

By:

Marc A. Rossi

INFORMATION DISCLOSURE STATEMENT (IDS)

Sir:

In compliance with Rule 56, 97, and 98, applicants enclose a Substitute PTO-1449, listing one reference. A copy of the listed reference is enclosed.

RELEVANCE

The listed reference appears to disclose square and striped cells of IGBT in Figs. 2 and 4.

The submission of this IDS is not intended as an admission that the reference identified here constitutes prior art against the claims of the present application or that such reference are material to patentability as defined in Rule 56(b).

SN. 10/020,573

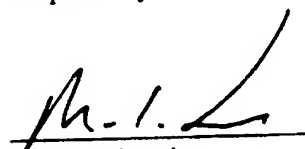
ATTORNEY DOCKET NO. FUJI:200

FEE

This IDS requires a fee of \$180 since it is filed after the grace period. The Commissioner is authorized to charge \$180 (or any appropriate fees) to Deposit Account No. 18-2056.

Respectfully submitted,

Date: 03/21/03

  
\_\_\_\_\_  
Marc A. Rossi  
Registration No. 31,923

ROSSI & ASSOCIATES  
P.O. Box 826  
Ashburn, VA 20146-0826  
Phone: 703-726-6020

**Complete If Known**

Application Number	10/020,573
Filing Date	October 31, 2001
First Named Inventor	Takashi KOBAYASHI
Art Unit	2826
Examiner Name	Green, P.
Attorney Docket Number	FUJI-200

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	Date Considered
--------------------	-----------------

Signature \_\_\_\_\_

**EXAMINER:** If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the applicant) within 2 years of the date of the foreign filing. This collection is estimated to take 2 hours to complete, 1 hour to review, and 1 hour to enter the information into the system. The information is required to obtain or retain a benefit by the public which is to file (and by the applicant) within 2 years of the date of the foreign filing. This collection is estimated to take 2 hours to complete, 1 hour to review, and 1 hour to enter the information into the system.

Translation is attached.

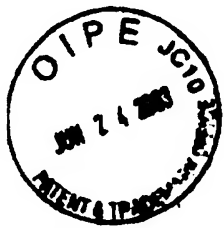
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, Washington, DC 20231.

For assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

TO: Commissioner for Patents, Washington, DC 20231.  
(If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



USP RECEIPT CARD In re application of: \_

Takashi KOBAYASHI et al.

Serial No.: 10/020,573

Group Art Unit:2826

Filed: October 31, 2001

Examiner: Greene, P.

For: SEMICONDUCTOR DEVICE

Papers Filed: IDS

Attorney Docket: FUJI:200





PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Takashi KOBAYASHI et al.

Serial No.: 10/020,573

Group Art Unit: 2826

Filed: October 31, 2001

Examiner: Greene, P.

For: SEMICONDUCTOR DEVICE

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450 on:

Date: 05/07/03

By: [Signature]  
Marc A. Rossi

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

Sir:

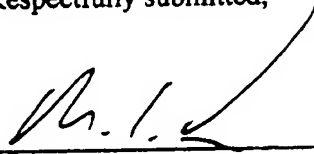
Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. Copies of the references listed on Form PTO-1449 and relevant portions of the search report are attached.

It is respectfully requested that the information be expressly considered during the prosecution of this application, that these references be made of record therein and appear among

the "References Cited" on any patent to issue therefrom, and that an initialed copy of the PTO-1449 be returned to the undersigned.

Respectfully submitted,

Date: 05/07/03

  
\_\_\_\_\_  
Marc A. Rossi  
Registration No. 31,923

Attorney Docket No.: FUJI:200

ROSSI & ASSOCIATES  
P.O. Box 826  
Ashburn, VA 20146-0826  
(703) 726-6020



SHEET 1 OF 1